AZ28E09DAPM1/M2
AZ28E09DACM1/M2
AZ28E09DABM1/M2
AZ28E09DAMM1/M2

Technical Data

TLABCC022JBRZ

DISCONNECT POWER BEFORE SERVICING
IMPORTANT - RECONNECT ALL GROUNDING DEVICES
All parts of this appliance capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

WARNING DISCONNECT UNIT FROM ELECTRICAL POWER SUPPLY BEFORE MAKING ANY ELECTRICAL CHECKS.

MAXIMUM CURRENT LEAKAGE: 0.5 MILLIAMP
MAXIMUM GROUND PATH RESISTANCE: 0.1 OHM

POWER SUPPLY

RATED VOLTAGE	VOLTAGE LIMITS
230/208	187-253

	SENSOR RESISTANCE (OHM)	
°F	ROOM AIR	INDOOR COIL
10	63260	94900
30	34620	51940
32	32890	49330
50	19970	29960
70	11950	17930
90	7320	10970

FILTER
Check for cleanliness.

CONDENSER
1. Check for blockage with dirt or other material.
2. Check for corrosion.

RUNNING CURRENT
With unit in case and room front installed, operated for 10 minutes on Hi-Cool. Following are the operating limits:

CURRENT-TEMPERATURE CHECK DATA

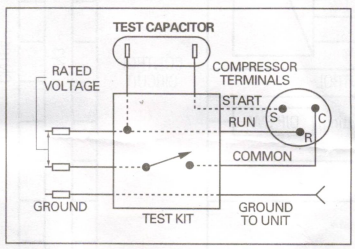
AIR TEMPERATURE CONDENSER IN °F	COOLING CURRENT			
	230V-MIN.	MAX.	208V-MIN.	MAX.
80	3.1	3.6	3.2	3.7
95	3.5	4.0	3.8	4.3
110	4.5	5.0	4.8	5.3

TEMPERATURE DIFFERENTIAL - COOLING
Unit must operate for one hour with thermostat at coldest setting prior to measuring air temperatures. Following are normal limits:

TEMPERATURE DIFFERENTIAL CHECK DATA

EVAPORATOR AIR TEMP IN °F	EVAPORATOR AIR TEMP OUT °F			
	230V-MIN.	MAX.	208V-MIN.	MAX.
70	40	44	39	43
80	57	61	56	60
90	64	68	63	67

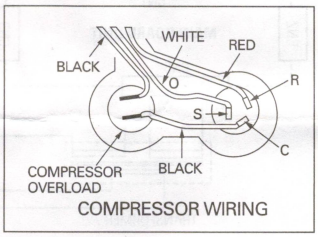
RUN CAPACITOR CHECK
1. Replace unit run capacitor with a known good test capacitor which may be 10 MFD higher than specified and attempt to start compressor.
2. If compressor starts, install a new run capacitor which has a rating specified for the unit.



IMPORTANT SAFETY NOTICE
This information is intended for use by individuals possessing adequate backgrounds of electrical, electronic and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

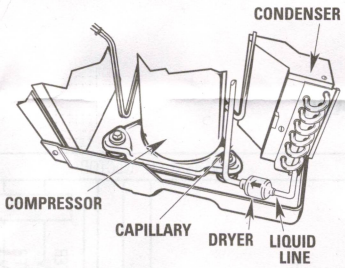
WIRING - COMPRESSOR DIRECT CHECK

CAUTION:
1. Keep head clear of terminal area when cover is removed.
2. Check windings first. If open or grounded, **"DO NOT"** apply power to compressor terminals.



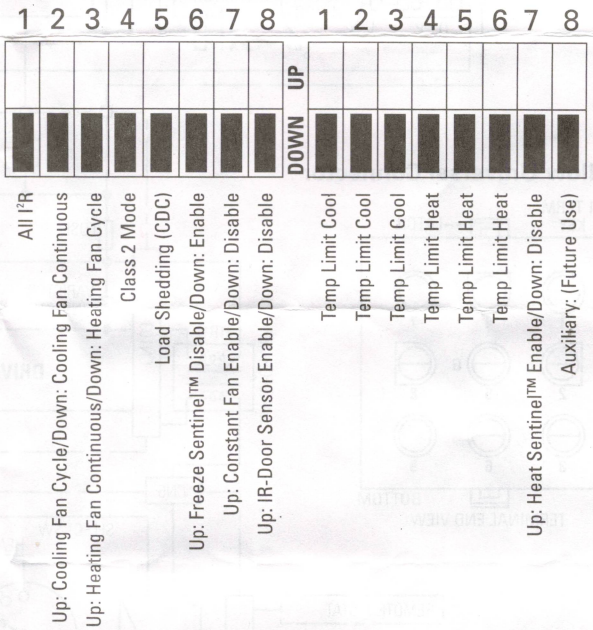
COMPRESSOR WIRING

DRYER LOCATION



FILTER DRYER LOCATION – Install a dryer in the liquid tube between the condenser and the capillaries.

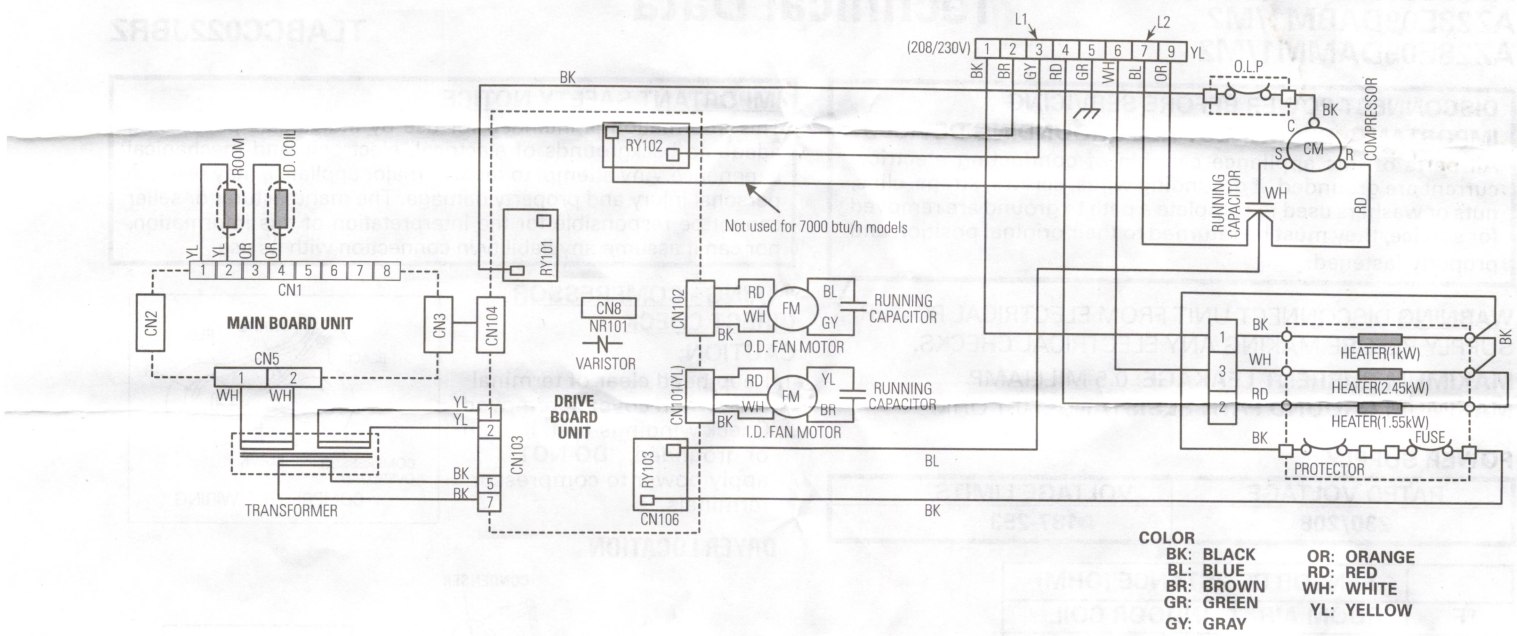
AUXILIARY CONTROLS


1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8
UP
DOWN
All I²R
Up: Cooling Fan Cycle/Down: Cooling Fan Continuous
Up: Heating Fan Continuous/Down: Heating Fan Cycle
Class 2 Mode
Load Shedding (CDC)
Up: Freeze Sentinel™ Disable/Down: Enable
Up: Constant Fan Enable/Down: Disable
Up: IR-Door Sensor Enable/Down: Disable
Temp Limit Cool
Temp Limit Cool
Temp Limit Cool
Temp Limit Heat
Temp Limit Heat
Temp Limit Heat
Up: Heat Sentinel™ Enable/Down: Disable
Auxiliary: (Future Use)

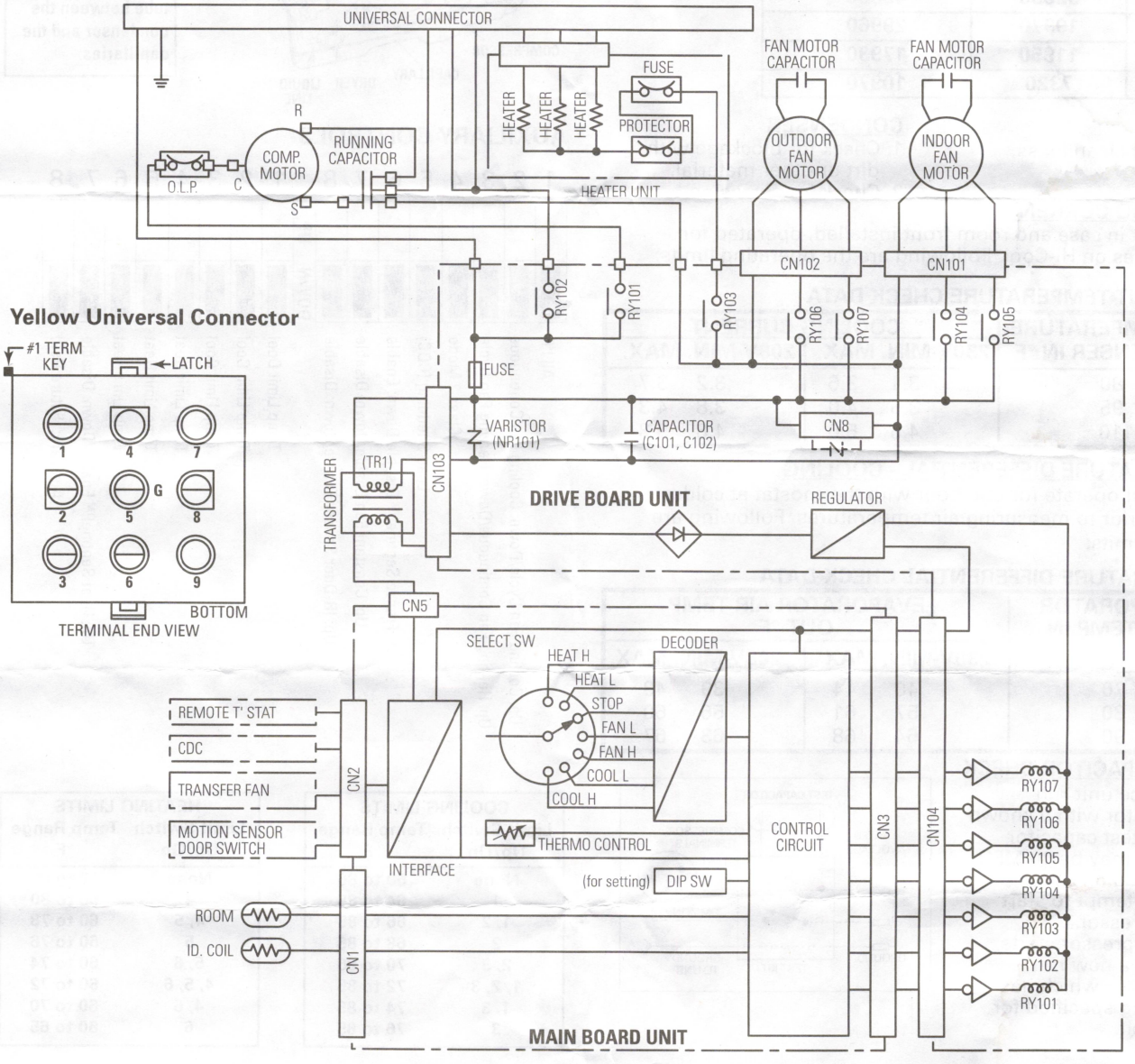
COOLING LIMITS Limit Switch Up/On	Temp Range °F
None	60 to 85
1	64 to 85
1, 2	66 to 85
2	68 to 85
2, 3	70 to 85
1, 2, 3	72 to 85
1, 3	74 to 85
3	76 to 85

HEATING LIMITS Limit Switch Up/On	Temp Range °F
None	60 to 85
4	60 to 80
4, 5	60 to 78
5	60 to 76
5, 6	60 to 74
4, 5, 6	60 to 72
4, 6	60 to 70
6	60 to 65

WIRING DIAGRAM



SCHEMATIC DIAGRAM



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